

September 1990

# LABOUR FORCE STATUS AND OTHER CHARACTERISTICS OF MIGRANTS AUSTRALIA



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**LABOUR FORCE STATUS AND OTHER CHARACTERISTICS  
OF MIGRANTS, AUSTRALIA  
SEPTEMBER 1990**

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## ADDITIONAL DATA ON REQUEST

The ABS offers a range of unpublished data from this survey upon request.  
Refer to page 21 which specifies the data items, categories and populations that relate to the survey.  
An order form for special tables is included.

The population(s) for a particular data item refers to the persons in the survey to whom the data item relates.

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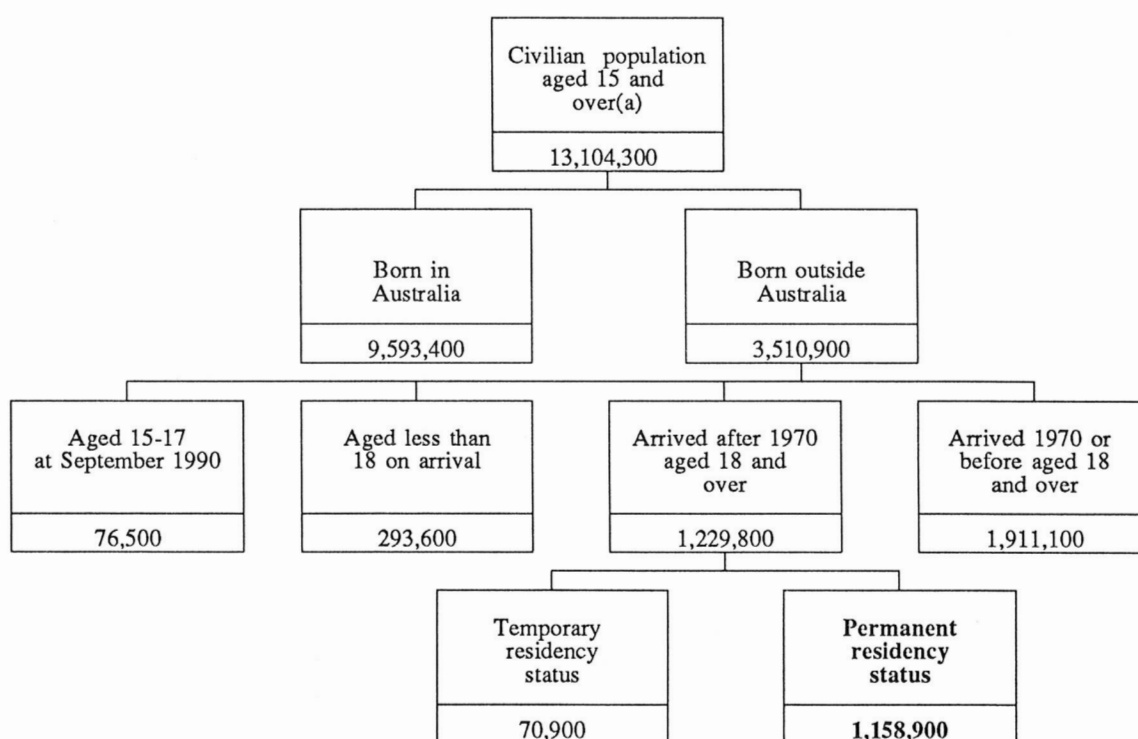


## SUMMARY OF FINDINGS

In September 1990 the civilian population aged 15 and over was estimated as 13,104,300 persons, of whom 27 per cent (3,510,900) were born outside Australia. This publication focuses on that group of migrants who arrived in Australia after 1970 who were aged 18 and over on arrival and had obtained permanent residency status. In this Summary of Findings this group is referred to simply as 'Migrants'.

The number of such migrants was estimated to be 1,158,900 at September 1990, representing 9 per cent of the civilian population aged 15 and over. In March 1987, migrants represented 7 per cent of the civilian population aged 15 and over (Table 1).

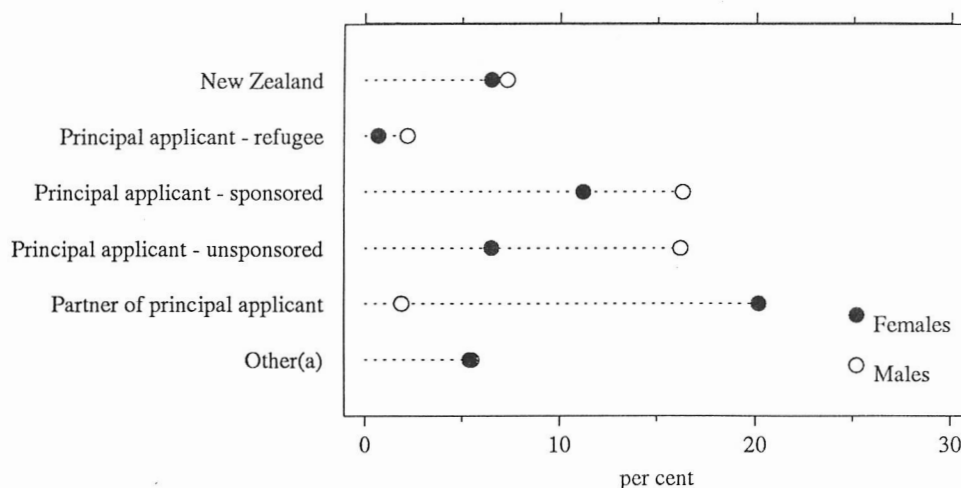
**DIAGRAM 1: CIVILIAN POPULATION AGED 15 AND OVER, SEPTEMBER 1990**



(a) Excludes institutionalised persons and boarding school pupils.

Source: Table 1

DIAGRAM 2. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: MIGRATION CATEGORY, SEPTEMBER 1990



(a) Includes 'No form completed' and 'Did not know'.  
Source: Table 2

#### Migration category—(Table 2 and Diagram 2)

Migrants have been classified to various migration categories. Some 53 per cent (615,600) were classified as principal applicants, while a further 22 per cent (255,700) arrived as the partner of a principal applicant. An estimated 160,500 (14%) were classified as migrants from New Zealand.

#### Of the principal applicants:

- 267,900 (44%) were sponsored by family
- 48,400 (8%) were sponsored by an employer or other organisation
- 262,900 (43%) arrived unsponsored
- 33,800 (5%) arrived as refugees.

#### Unemployment—(Table 2)

At September 1990 the unemployment rate for migrants was 9.7 per cent. The unemployment rate varied according to migration category. For principal applicants the unemployment rate was 9.6 per cent while for those who were partners of principal applicants the rate was 11.6 per cent. Migrants from New Zealand had an unemployment rate of 7.0 per cent.

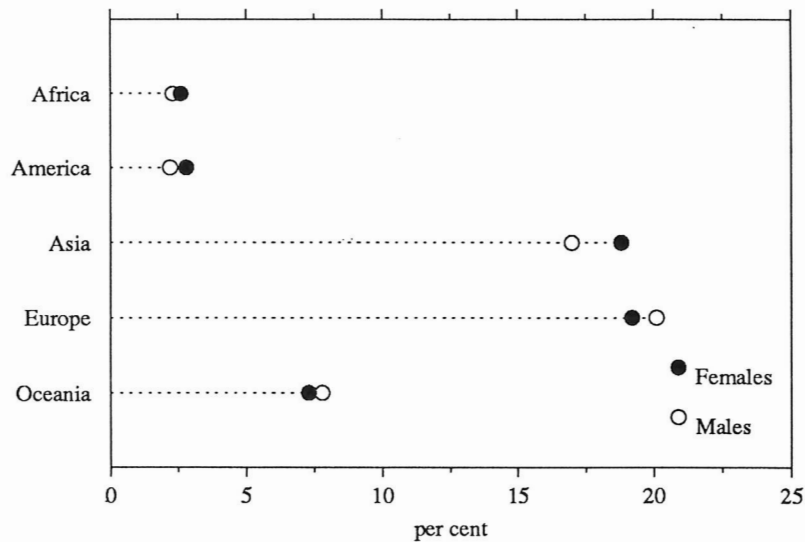
#### Labour force participation—(Table 2)

The labour force participation rate for migrants at September 1990 was 71.5 per cent, with rates of 86.0 per cent and 57.5 per cent for males and females respectively.

Participation rates of 82.5 per cent and 83.0 per cent were recorded for the migration categories New Zealand and principal applicant (unsponsored) respectively. For sponsored principal applicants the participation rate was 68.5 per cent.



**DIAGRAM 3. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: BIRTHPLACE, SEPTEMBER 1990**



Source: Table 1

#### Birthplace—(Table 4 and Diagram 3)

An estimated 39 per cent of persons who migrated to Australia in the period 1971-1990 were born in Europe. A further 36 per cent of migrants who arrived in this period were born in Asia.

Persons who gave Asia as their birthplace had the highest unemployment rate of 12.9 per cent, followed by those who gave Africa and Europe as their birthplace (each with an unemployment rate of 8.7%). Persons whose birthplace was America or Oceania had the lowest unemployment rates at 7.2 and 7.3 per cent respectively.

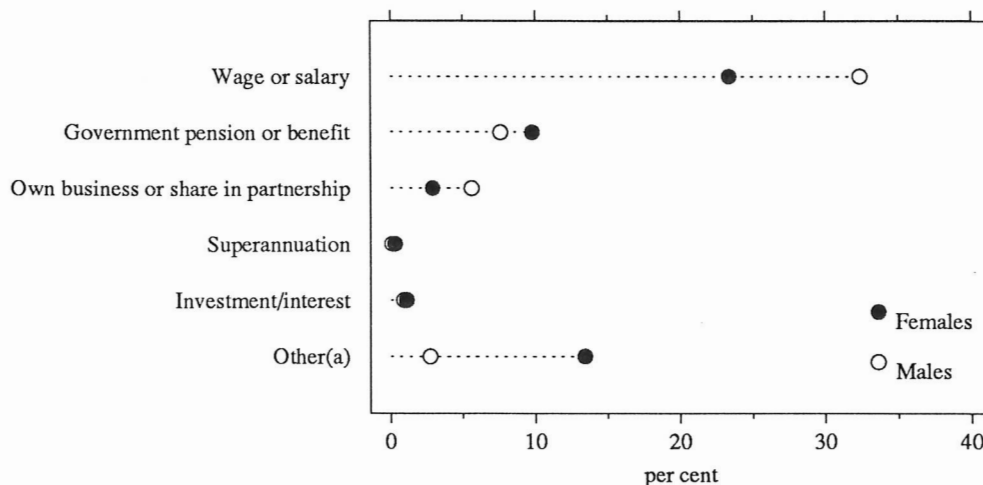
Persons who gave Oceania as their birthplace had the highest participation rate of 82.1 per cent, while those who stated Asia as their birthplace recorded the lowest participation rate at 65.6 per cent.

#### Main source of income—(Table 5)

Of the 587,000 female migrants, 46 per cent received a wage or salary as their main source of income at September 1990, 19 per cent nominated government pension or benefit, 6 per cent relied on their own business or partnership, 2 per cent received investment or interest, less than 1 per cent received superannuation, while 26 per cent reported 'other' sources (which includes nil income).

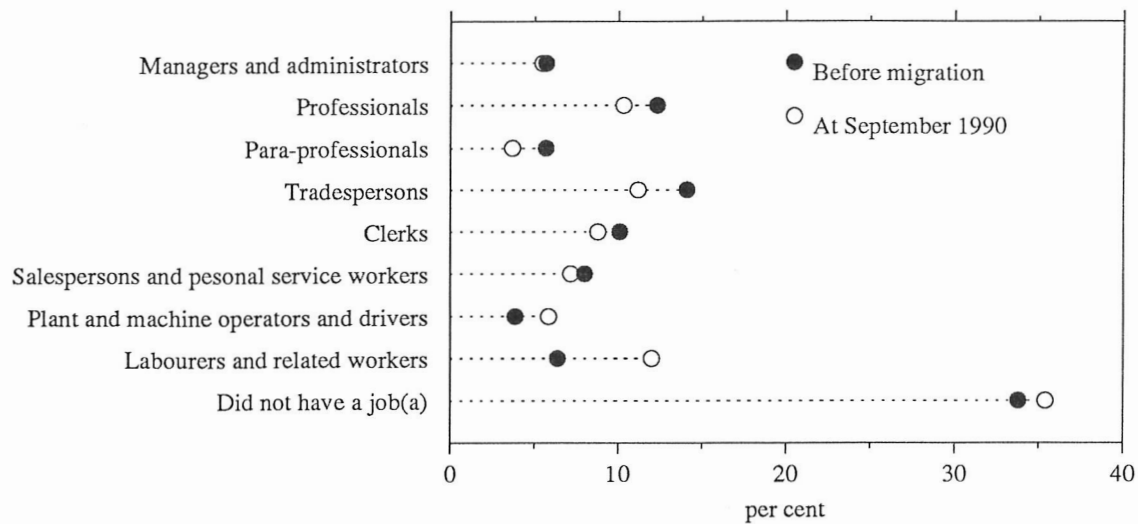
Of the 571,900 male migrants, 66 per cent received a wage or salary as their main source of income at September 1990, 15 per cent nominated government pension or benefit, 11 per cent relied on their own business or partnership, 2 per cent received investment or interest, 1 per cent received superannuation, while 5 per cent reported 'other' sources (which includes nil income).

**DIAGRAM 4. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: MAIN SOURCE OF INCOME, SEPTEMBER 1990**



(a) Includes nil income.  
Source: Table 5

DIAGRAM 5. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: OCCUPATION JUST BEFORE MIGRATION AND OCCUPATION AT SEPTEMBER 1990



(a) Comprises 'Unemployed' and 'Persons not in the labour force'.  
Source: Table 7

#### Occupation—(Table 7 and Diagram 5)

The proportion of migrants who arrived in the period 1981-1990 who had a job just before migration was 66 per cent, as it was for migrants who arrived during the period 1971-1980.

Of the 568,500 persons who had a job just before migration and were employed at September 1990, some 300,800 (53%) remained in the same occupation. The proportion of migrants whose occupation at September 1990 was the same as before migration, varied across occupation groups as follows:

- 42 per cent for Managers and administrators
- 65 per cent for Professionals
- 45 per cent for Para-professionals
- 62 per cent for Tradespersons

- 52 per cent for Clerks
- 39 per cent for Salespersons and personal service workers
- 41 per cent for Plant and machine operators and drivers
- 44 per cent for Labourers and related workers.

#### Education—(Table 8)

On arrival in Australia, 579,700 migrants had post-school qualifications and 579,200 had no post-school qualifications. Of the migrants with post-school qualifications, 245,300 (42%) had a certificate or diploma, 176,500 (30%) had a trade qualification or apprenticeship and 146,800 (25%) had a degree.

TABLE 1. CIVILIAN POPULATION AGED 15 AND OVER:  
MARCH 1987 AND SEPTEMBER 1990

	Survey conducted in(a)							
	March 1987r (b)				September 1990			
	Males	Females -'000-	Persons	Proportion of civilian population (per cent)	Males	Females -'000-	Persons	Proportion of civilian population (per cent)
Civilian population aged 15 and over(c)—	6,018.3	6,154.3	12,172.6	100.0	6,494.4	6,609.8	13,104.3	100.0
Born in Australia	4,409.6	4,621.6	9,031.2	74.2	4,697.8	4,895.6	9,593.4	73.2
Born outside Australia	1,608.7	1,532.7	3,141.4	25.8	1,796.6	1,714.3	3,510.9	26.8
Aged 15-17 at March 1987	45.1	40.3	85.4	0.7	..	..	..	..
Aged 15-17 at September 1990	..	..	..	..	37.9	38.6	76.5	0.6
Aged less than 18 on arrival	..	..	..	..	150.6	142.8	293.6	2.2
Arrived 1970 or before	1,016.2	926.0	1,942.2	16.0	992.6	918.5	1,911.1	14.6
Arrived after 1970	547.4	566.4	1,113.8	9.2	615.6	614.1	1,229.8	9.4
Temporary residency status	21.4	16.6	38.0	0.3	43.7	27.2	70.9	0.5
Permanent residency status	526.1	549.8	1,075.9	8.8	571.9	587.0	1,158.9	8.8
Aged less than 18 on arrival	93.7	95.5	189.2	1.6	..	..	..	..
Aged 18 or more on arrival	432.4	454.3	886.7	7.3	571.9	587.0	1,158.9	8.8
Birthplace—								
Africa	24.5	25.7	50.1	0.4	27.1	29.9	57.0	0.4
America	21.5	26.7	48.0	0.4	25.4	32.6	58.1	0.4
Asia	133.8	141.7	275.4	2.3	196.7	217.6	414.2	3.2
Europe	190.6	198.5	389.1	3.2	232.6	222.8	455.4	3.5
United Kingdom and Ireland	119.7	117.9	237.6	2.0	139.7	130.1	269.8	2.1
Other countries in Europe	70.9	80.6	151.5	1.2	92.9	92.7	185.6	1.4
Oceania	62.1	61.9	124.0	1.0	90.1	84.1	174.1	1.3
New Zealand	54.2	52.3	106.6	0.9	78.2	69.4	147.5	1.1
Other countries in Oceania	7.9	9.6	17.5	0.1	11.9	14.7	26.6	0.2

(a) See Explanatory Notes, paragraph 10, regarding comparability of the reference periods surveyed. (b) Prior to September 1990, the scope of the survey included persons who arrived in Australia after 1960. To enable time series comparisons, data from the March 1987 survey have been revised, see Explanatory Notes, paragraph 10. (c) Excludes institutionalised persons and boarding school pupils.



TABLE 2. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: MIGRATION CATEGORY AND LABOUR FORCE STATUS, SEPTEMBER 1990

Migration category	Employed			Unem- ployed -- '000 --	Labour force	Not in labour force	Total	Unemploy- ment rate -- per cent --	Partici- pation rate
	Full-time	Part-time	Total						
MALES									
New Zealand(a)	72.0	* 2.4	74.4	4.7	79.1	5.6	84.7	5.9	93.4
Principal applicant	291.8	14.4	306.3	35.1	341.4	60.4	401.8	10.3	85.0
Refugee	16.1	* 1.2	17.3	3.9	21.2	4.6	25.9	18.4	82.1
Other	275.7	13.2	288.9	31.2	320.1	55.8	375.9	9.8	85.2
Sponsored	130.3	7.1	137.3	14.0	151.3	37.4	188.7	9.2	80.2
By family	97.9	5.3	103.2	10.6	113.8	33.3	147.1	9.3	77.3
By employer	21.9	* 0.8	22.8	* 1.1	23.8	* 2.0	25.8	* 4.5	92.2
By other organisation	9.0	* 1.0	10.0	* 2.2	12.3	* 1.8	14.0	* 18.3	87.4
Did not know	* 1.4	* 0.0	* 1.4	* 0.0	* 1.4	* 0.3	* 1.7	* 0.0	* 84.7
Un-sponsored	145.5	6.1	151.6	17.3	168.8	18.4	187.2	10.2	90.2
Partner of principal applicant	15.8	* 0.1	16.0	* 3.4	19.4	* 2.1	21.5	* 17.6	90.2
Principal applicant's migration status—									
Refugee	* 0.3	* 0.0	* 0.3	* 0.0	* 0.3	* 0.0	* 0.3	* 0.0	* 100.0
Other	12.3	* 0.0	12.3	* 2.7	14.9	* 2.0	16.9	* 17.8	88.4
Arrived with spouse/partner who was principal applicant	* 3.3	* 0.1	3.5	* 0.8	4.2	* 0.2	4.4	* 18.0	96.2
Other	24.2	* 2.5	26.7	3.8	30.4	6.2	36.6	12.4	83.2
No application form completed	11.6	* 1.1	12.7	* 2.2	14.9	* 3.4	18.3	* 14.6	81.3
Don't know	5.7	* 0.8	6.6	* 0.0	6.6	* 2.5	9.0	* 0.0	72.6
Total	421.2	21.4	442.6	49.2	491.7	80.2	571.9	10.0	86.0
FEMALES									
New Zealand(a)	35.0	13.6	48.7	4.6	53.3	22.5	75.8	8.6	70.3
Principal applicant	82.1	30.5	112.7	9.5	122.2	91.7	213.8	7.8	57.1
Refugee	4.8	* 0.6	5.4	* 0.3	5.7	* 2.3	7.9	* 4.7	71.5
Other	77.3	30.0	107.3	9.2	116.5	89.4	205.9	7.9	56.6
Sponsored	45.1	16.0	61.1	6.0	67.1	63.1	130.2	9.0	51.6
By family	38.5	14.8	53.3	6.0	59.3	61.4	120.7	10.2	49.1
By employer	4.8	* 0.6	5.4	* 0.0	5.4	* 0.3	5.7	* 0.0	95.5
By other organisation	* 1.3	* 0.5	* 1.8	* 0.0	* 1.8	* 1.1	* 2.9	* 0.0	* 61.1
Did not know	* 0.5	* 0.1	* 0.7	* 0.0	* 0.7	* 0.3	* 0.9	* 0.0	* 70.4
Un-sponsored	32.2	14.0	46.2	* 3.2	49.4	26.3	75.7	* 6.5	65.2
Partner of principal applicant	75.1	37.8	112.9	13.6	126.5	107.6	234.1	10.7	54.0
Principal applicant's migration status—									
Refugee	3.5	* 1.2	4.7	* 1.0	5.7	5.3	11.1	* 18.0	51.8
Other	67.9	34.2	102.1	12.5	114.6	95.5	210.1	10.9	54.5
Arrived with spouse/partner who was principal applicant	3.7	* 2.4	6.1	* 0.0	6.1	6.8	12.9	* 0.0	47.5
Other	12.9	5.6	18.5	* 2.6	21.1	14.3	35.4	* 12.4	59.5
No application form completed	6.2	* 2.9	9.1	* 1.0	10.1	7.7	17.8	* 10.1	56.9
Don't know	* 2.9	* 1.0	3.9	* 0.3	4.2	5.8	10.0	* 6.1	41.9
Total	214.3	91.5	305.8	31.6	337.3	249.6	587.0	9.4	57.5
PERSONS									
New Zealand(a)	107.0	16.1	123.1	9.2	132.3	28.2	160.5	7.0	82.5
Principal applicant	374.0	45.0	418.9	44.6	463.6	152.1	615.6	9.6	75.3
Refugee	20.9	* 1.8	22.7	4.2	26.9	6.9	33.8	15.5	79.6
Other	353.0	43.2	396.2	40.5	436.7	145.2	581.8	9.3	75.1
Sponsored	175.4	23.1	198.5	20.0	218.4	100.4	318.9	9.1	68.5
By family	136.4	20.1	156.5	16.7	173.1	94.8	267.9	9.6	64.6
By employer	26.7	* 1.4	28.2	* 1.1	29.2	* 2.3	31.5	* 3.7	92.8
By other organisation	10.3	* 1.5	11.8	* 2.2	14.0	* 2.9	16.9	* 16.0	82.9
Did not know	* 1.9	* 0.1	* 2.1	* 0.0	* 2.1	* 0.5	* 2.6	* 0.0	* 79.6
Un-sponsored	177.6	20.1	197.7	20.5	218.2	44.7	262.9	9.4	83.0
Partner of principal applicant	91.0	38.0	128.9	17.0	145.9	109.7	255.7	11.6	57.1
Principal applicant's migration status—									
Refugee	3.8	* 1.2	5.0	* 1.0	6.0	5.3	11.4	* 17.2	52.9
Other	80.1	34.2	114.3	15.2	129.5	97.5	227.0	11.7	57.1
Arrived with spouse/partner who was principal applicant	7.0	* 2.6	9.6	* 0.8	10.4	6.9	17.3	* 7.4	59.9
Other	37.1	8.1	45.1	6.4	51.5	20.5	72.0	12.4	71.6
No application form completed	17.9	4.0	21.8	* 3.2	25.0	11.1	36.1	* 12.7	69.2
Don't know	8.6	* 1.9	10.5	* 0.3	10.7	8.3	19.0	* 2.4	56.5
Total	635.5	112.9	748.3	80.7	829.1	329.8	1,158.9	9.7	71.5

(a) Includes persons born in New Zealand and those whose place of last residence was New Zealand.

TABLE 3. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: SUMMARY OF CHARACTERISTICS AND WHETHER HAD A JOB JUST BEFORE MIGRATION, SEPTEMBER 1990 ('000)

	Whether had a job just before migration								
	Had a job			Did not have a job			Total		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
<i>Age on arrival—</i>									
18-24 years	97.2	95.5	192.7	51.2	69.7	120.9	148.4	165.2	313.6
25-34 years	197.4	140.5	337.9	39.0	91.3	130.2	236.4	231.8	468.2
35-44 years	98.9	56.6	155.5	11.8	43.2	55.0	110.7	99.8	210.5
45-54 years	33.2	17.2	50.4	3.9	19.0	22.9	37.2	36.2	73.4
55-59 years	10.9	5.1	16.0	* 2.4	10.3	12.7	13.3	15.4	28.7
60-64 years	3.9	* 3.3	7.2	* 3.1	12.9	16.0	7.0	16.2	23.2
65 years and over	5.9	* 1.2	7.0	13.1	21.3	34.4	19.0	22.5	41.4
<i>Year of arrival—</i>									
Arrived 1971-1980	190.9	127.1	318.0	47.1	114.1	161.2	237.9	241.2	479.2
Arrived 1981-1990	256.5	192.2	448.7	77.4	153.5	231.0	334.0	345.8	679.7
<i>Country of last residence—</i>									
Main English speaking countries	215.8	157.4	373.3	38.3	87.9	126.2	254.2	245.3	499.5
Other countries	231.6	161.9	393.4	86.1	179.8	265.9	317.7	341.7	659.4
<i>Whether had family in Australia just before migration—</i>									
Had family in Australia just before migration	219.2	164.9	384.1	70.1	163.3	233.4	289.3	328.1	617.5
Children only	17.0	14.4	31.4	12.4	36.7	49.0	29.4	51.1	80.5
Husband/wife/partner only	4.1	13.0	17.1	* 0.5	15.6	16.2	4.6	28.6	33.2
Children and husband/wife/partner only	* 1.1	* 1.7	* 2.7	* 0.0	* 0.9	* 0.9	* 1.1	* 2.6	3.7
Children and other family only	4.7	3.5	8.1	* 2.6	8.7	11.3	7.3	12.1	19.4
Husband/wife/partner and other family only	* 1.7	5.5	7.2	* 0.1	4.1	4.2	* 1.8	9.6	11.5
Children, husband/wife/partner and other family only	* 0.9	* 0.4	* 1.3	* 0.5	* 0.9	* 1.4	* 1.4	* 1.3	* 2.7
Brothers/sisters(in-law) only	89.6	57.8	147.4	22.5	48.7	71.2	112.1	106.5	218.7
Parents(in-law) only	9.5	6.5	15.9	* 2.3	4.7	7.0	11.8	11.2	23.0
Other family only	90.7	62.0	152.8	29.1	43.0	72.1	119.9	105.0	224.9
Did not have family in Australia just before migration	228.2	154.4	382.6	54.4	104.4	158.8	282.6	258.9	541.4
<i>Educational attainment on arrival—</i>									
With post-school qualifications on arrival	289.9	172.3	462.1	48.5	69.0	117.5	338.4	241.3	579.7
Degree	75.4	39.5	114.9	15.5	16.4	32.0	91.0	55.9	146.8
Trade qualification/apprenticeship	138.7	13.7	152.4	17.7	6.4	24.1	156.4	20.1	176.5
Certificate or diploma	72.2	114.8	186.9	14.3	44.0	58.4	86.5	158.8	245.3
Other	3.6	4.4	8.0	* 1.0	* 2.1	* 3.1	4.5	6.5	11.0
Without post-school qualifications on arrival	157.5	147.0	304.6	76.0	198.7	274.6	233.5	345.7	579.2
Age left school—									
18 and over	38.9	28.5	67.4	29.4	42.1	71.5	68.3	70.6	139.0
16 and 17	52.6	59.5	112.1	19.0	58.0	77.0	71.7	117.5	189.1
14 and 15	48.4	47.8	96.3	18.1	55.5	73.6	66.6	103.3	169.9
Under 14	15.9	9.9	25.8	8.2	34.7	42.9	24.1	44.6	68.7
Never attended school	* 1.6	* 1.3	* 3.0	* 1.2	8.4	9.6	* 2.9	9.7	12.5
<b>Total</b>	<b>447.4</b>	<b>319.3</b>	<b>766.7</b>	<b>124.5</b>	<b>267.7</b>	<b>392.2</b>	<b>571.9</b>	<b>587.0</b>	<b>1,158.9</b>

TABLE 4. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: BIRTHPLACE AND LABOUR FORCE STATUS, SEPTEMBER 1990

Birthplace	Employed		Total	Unem- ployed — '000 —	Labour force	Not in labour force	Total	Unemploy- ment rate — per cent —	Partici- pation rate
	Full-time	Part-time							
Africa	30.6	5.2	35.8	* 3.4	39.3	17.8	57.0	* 8.7	68.8
Arab Republic of Egypt	4.9	* 0.2	5.1	* 1.1	6.2	5.7	11.9	* 17.7	52.0
Republic of South Africa	12.7	* 3.4	16.1	* 1.2	17.3	4.3	21.6	* 6.7	80.2
Other countries in Africa	13.0	* 1.6	14.6	* 1.2	15.8	7.8	23.5	* 7.4	66.9
America	33.4	6.4	39.9	* 3.1	43.0	15.1	58.1	* 7.2	73.9
USA and Canada	15.9	3.5	19.5	* 0.7	20.2	5.4	25.6	* 3.5	78.8
Other countries in America	17.5	* 2.9	20.4	* 2.4	22.8	9.7	32.5	* 10.5	70.1
Asia	205.1	31.6	236.8	35.0	271.8	142.4	414.2	12.9	65.6
Cambodia	7.0	* 1.0	8.0	* 3.1	11.1	5.5	16.6	* 28.1	66.9
India	14.3	* 2.5	16.8	* 1.7	18.5	8.6	27.1	* 9.2	68.3
Laos	* 2.1	* 0.2	* 2.3	* 0.8	* 3.1	* 2.3	5.5	* 25.4	* 57.2
Lebanon	10.3	* 1.9	12.2	5.3	17.5	13.1	30.6	30.4	57.3
Malaysia	16.3	* 3.4	19.7	* 0.5	20.3	7.5	27.8	* 2.5	72.9
Turkey	6.4	* 1.4	7.7	* 1.0	8.8	5.6	14.4	* 11.8	60.9
Viet Nam	34.2	* 3.4	37.6	7.7	45.3	19.3	64.6	16.9	70.1
Other countries in Asia	114.5	17.7	132.3	14.9	147.1	80.4	227.6	10.1	64.7
Europe	251.0	52.4	303.3	28.7	332.0	123.3	455.4	8.7	72.9
Germany	10.0	* 1.9	11.9	* 0.6	12.4	3.6	16.1	* 4.5	77.5
Greece	7.2	* 1.1	8.3	* 1.3	9.6	5.2	14.8	* 14.0	65.0
Italy	6.9	* 1.3	8.2	* 0.9	9.1	6.8	15.9	* 10.1	57.3
Malta	* 2.1	* 0.3	* 2.4	* 0.1	* 2.5	* 1.2	3.7	* 5.1	* 68.3
Netherlands	5.6	* 2.0	7.6	* 0.3	7.9	* 1.8	9.7	* 3.3	81.6
Poland	16.6	* 2.0	18.6	* 3.2	21.8	6.5	28.4	* 14.8	76.9
United Kingdom and Ireland	157.9	34.0	191.9	11.0	202.9	66.9	269.8	5.4	75.2
Yugoslavia	20.3	3.8	24.1	4.2	28.3	12.5	40.8	14.8	69.4
Other countries in Europe	24.3	6.1	30.4	7.1	37.4	18.9	56.3	18.9	66.5
Oceania	115.3	17.2	132.5	10.4	143.0	31.1	174.1	7.3	82.1
New Zealand	100.2	15.4	115.5	7.7	123.2	24.4	147.5	6.2	83.5
Fiji	9.3	* 0.5	9.8	* 1.5	11.3	3.5	14.8	* 13.2	76.3
Papua New Guinea	* 2.7	* 0.5	* 3.2	* 0.4	3.6	* 1.3	4.9	* 10.0	72.5
Other countries in Oceania	* 3.2	* 0.8	4.0	* 0.9	4.9	* 1.9	6.8	* 18.6	71.8
<b>Total</b>	<b>635.5</b>	<b>112.9</b>	<b>748.3</b>	<b>80.7</b>	<b>829.1</b>	<b>329.8</b>	<b>1,158.9</b>	<b>9.7</b>	<b>71.5</b>



TABLE 5. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: MAIN SOURCE OF INCOME RECEIVED AT SEPTEMBER 1990, AND AGE AT SEPTEMBER 1990  
(<sup>'000</sup>)

Main source of income received at September 1990	Age at September 1990				Total
	18-24	25-44	45-64	65 years and over	
MALES					
Wage or salary	15.0	267.4	92.1	* 0.5	375.0
Government pension or cash benefit	3.8	34.3	24.7	25.1	87.9
Own business or share in partnership	* 0.7	49.2	15.2	* 0.0	65.0
Superannuation	* 0.0	* 0.4	* 1.0	* 1.6	* 3.0
Investment/interest	* 0.4	* 1.6	4.3	3.6	9.9
Other(a)	3.6	17.8	6.8	* 2.9	31.1
Total	23.6	370.6	144.0	33.7	571.9
FEMALES					
Wage or salary	14.7	203.0	53.6	* 0.3	271.6
Government pension or cash benefit	4.7	41.9	30.2	37.0	113.8
Own business or share in partnership	* 0.6	26.9	6.0	* 0.3	33.8
Superannuation	* 0.0	* 0.2	* 0.0	* 0.4	* 0.6
Investment/interest	* 0.4	4.0	4.5	3.5	12.3
Other(a)	7.2	99.4	41.6	6.6	154.9
Total	27.6	375.4	135.9	48.2	587.0
PERSONS					
Wage or salary	29.7	470.3	145.7	* 0.9	646.7
Government pension or cash benefit	8.5	76.2	54.8	62.1	201.6
Own business or share in partnership	* 1.3	76.0	21.2	* 0.3	98.8
Superannuation	* 0.0	* 0.6	* 1.0	* 2.0	3.6
Investment/interest	* 0.8	5.6	8.8	7.1	22.2
Other(a)	10.8	117.3	48.4	9.5	186.0
Total	51.2	746.0	279.9	81.9	1,158.9

(a) Including nil income.

TABLE 6. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: MIGRATION CATEGORY AND MAIN SOURCE OF INCOME RECEIVED AT SEPTEMBER 1990 ('000)

	Main source of income received at September 1990					
Migration category	Wage or salary	Government pension or cash benefit	Own business or share in partnership	Super-annuation/Investment/interest	Other(a)	Total
MALES						
New Zealand(b)	61.6	7.3	12.8	* 1.0	* 2.1	84.7
Principal applicant	260.6	64.3	44.0	9.7	23.1	401.8
Refugee	14.4	7.3	* 2.9	* 0.1	* 1.0	25.9
Other	246.2	57.0	41.1	9.6	22.1	375.9
Sponsored	118.9	36.0	16.4	5.4	12.0	188.7
By family	89.8	31.6	11.8	4.4	9.5	147.1
By employer	20.0	* 1.8	* 2.4	* 0.4	* 1.2	25.8
By other organisation	7.8	* 2.3	* 2.1	* 0.5	* 1.3	14.0
Did not know	* 1.4	* 0.3	* 0.0	* 0.0	* 0.0	* 1.7
Un-sponsored	127.3	21.0	24.7	4.2	10.1	187.2
Partner of principal applicant	14.2	* 2.7	* 1.9	* 0.6	* 2.2	21.5
Principal applicant's migration status—						
Refugee	* 0.3	* 0.0	* 0.0	* 0.0	* 0.0	* 0.3
Other	11.0	* 2.3	* 1.1	* 0.6	* 1.9	16.9
Arrived with spouse/partner who was principal applicant	* 2.9	* 0.4	* 0.8	* 0.0	* 0.2	4.4
Other	22.9	7.1	* 2.9	* 0.3	* 3.3	36.6
No application form completed	10.9	4.2	* 1.7	* 1.1	* 0.4	18.3
Don't know	4.8	* 2.2	* 1.7	* 0.3	* 0.0	9.0
Total	375.0	87.9	65.0	12.9	31.1	571.9
FEMALES						
New Zealand(b)	45.1	10.8	4.2	* 1.3	14.3	75.8
Principal applicant	99.4	44.1	12.4	4.1	53.9	213.8
Refugee	4.1	* 1.8	* 1.3	* 0.0	* 0.8	7.9
Other	95.3	42.3	11.0	4.1	53.1	205.9
Sponsored	55.5	31.2	5.7	* 1.8	36.0	130.2
By family	48.3	30.1	5.4	* 1.7	35.2	120.7
By employer	4.8	* 0.0	* 0.3	* 0.1	* 0.4	5.7
By other organisation	* 1.6	* 1.1	* 0.0	* 0.0	* 0.3	* 2.9
Did not know	* 0.8	* 0.0	* 0.0	* 0.0	* 0.1	* 0.9
Un-sponsored	39.8	11.1	5.3	* 2.3	17.1	75.7
Partner of principal applicant	99.9	43.1	12.8	6.2	72.2	234.1
Principal applicant's migration status—						
Refugee	4.1	* 2.0	* 1.3	* 0.0	3.8	11.1
Other	90.1	38.2	11.2	6.1	64.6	210.1
Arrived with spouse/partner who was principal applicant	5.7	* 3.0	* 0.3	* 0.1	3.8	12.9
Other	16.2	8.9	* 2.3	* 0.2	7.8	35.4
No application form completed	8.2	3.5	* 0.7	* 0.9	4.5	17.8
Don't know	* 2.8	* 3.3	* 1.4	* 0.3	* 2.2	10.0
Total	271.6	113.8	33.8	12.9	154.9	587.0
PERSONS						
New Zealand(b)	106.7	18.1	17.0	* 2.2	16.4	160.5
Principal applicant	360.0	108.4	56.4	13.8	77.0	615.6
Refugee	18.5	9.1	4.3	* 0.1	* 1.8	33.8
Other	341.5	99.3	52.1	13.7	75.2	581.8
Sponsored	174.5	67.2	22.0	7.2	48.0	318.9
By family	138.1	61.8	17.2	6.1	44.7	267.9
By employer	24.8	* 1.8	* 2.7	* 0.6	* 1.6	31.5
By other organisation	9.4	* 3.4	* 2.1	* 0.5	* 1.5	16.9
Did not know	* 2.2	* 0.3	* 0.0	* 0.0	* 0.1	* 2.6
Un-sponsored	167.1	32.1	30.1	6.5	27.2	262.9
Partner of principal applicant	114.1	45.8	14.7	6.7	74.3	255.7
Principal applicant's migration status—						
Refugee	4.4	* 2.0	* 1.3	* 0.0	3.8	11.4
Other	101.1	40.4	12.3	6.6	66.5	227.0
Arrived with spouse/partner who was principal applicant	8.6	* 3.4	* 1.2	* 0.1	4.0	17.3
Other	39.1	16.0	5.2	* 0.5	11.2	72.0
No application form completed	19.1	7.7	* 2.4	* 1.9	4.9	36.1
Don't know	7.7	5.5	* 3.1	* 0.6	* 2.2	19.0
Total	646.7	201.6	98.8	25.8	186.0	1,158.9

(a) Including nil income. (b) Includes persons born in New Zealand and those whose place of last residence was New Zealand.

TABLE 7. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER:  
OCCUPATION AT SEPTEMBER 1990 AND OCCUPATION JUST BEFORE MIGRATION  
(<sup>'000</sup>)

Occupation at September 1990	Had a job just before migration								Total	Did not have a job just before migration	Total
	Managers and administrators	Professionals	Para-professionals	Tradespersons	Clerks	Salespersons and personal service workers	Plant and machine operators, and drivers	Labourers and related workers			
Employed	46.4	112.1	49.7	131.8	85.9	62.7	27.9	52.0	568.5	179.8	748.3
Managers and administrators	19.3	7.4	* 2.9	6.9	4.7	4.8	* 2.0	3.5	51.4	12.4	63.8
Professionals	4.8	73.1	5.8	* 2.9	4.2	* 3.3	* 0.1	* 2.0	96.2	22.8	119.0
Para-professionals	* 1.3	4.5	22.4	* 2.5	* 1.0	* 2.6	* 0.3	* 1.2	35.6	7.4	43.0
Tradespersons	3.9	* 3.3	3.6	81.9	* 2.8	4.9	* 3.0	7.6	111.2	18.7	129.9
Clerks	* 3.3	6.0	* 3.0	* 2.9	44.8	9.1	* 0.8	* 3.1	72.9	28.7	101.6
Salespersons and personal service workers	4.9	7.9	* 3.0	5.7	11.9	24.7	* 2.1	4.2	64.4	18.9	83.3
Plant and machine operators, and drivers	* 2.2	* 3.3	* 3.0	11.7	3.7	* 3.3	11.5	7.3	46.2	22.2	68.4
Labourers and related workers	6.8	6.6	6.0	17.3	12.9	10.0	7.9	23.1	90.6	48.7	139.3
Unemployed	5.0	7.5	4.0	11.5	6.0	6.8	4.1	4.8	49.6	31.1	80.7
Not in the labour force	14.4	22.8	11.9	20.6	25.1	23.1	12.8	17.8	148.6	181.3	329.8
<b>Total</b>	<b>65.9</b>	<b>142.4</b>	<b>65.5</b>	<b>163.8</b>	<b>117.0</b>	<b>92.6</b>	<b>44.8</b>	<b>74.6</b>	<b>766.7</b>	<b>392.2</b>	<b>1,158.9</b>

TABLE 8. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: EDUCATIONAL ATTAINMENT ON ARRIVAL AND LABOUR FORCE STATUS

Educational attainment on arrival	Employed			Unem- ployed — '000 —	Labour force	Not in labour force	Total	Unemploy- ment rate — per cent —	Partici- pation rate
	Full-time	Part-time	Total						
MALES									
With post-school qualifications on arrival	269.6	13.2	282.8	24.9	307.8	30.6	338.4	8.1	91.0
Degree	73.3	3.5	76.7	8.0	84.8	6.2	91.0	9.5	93.2
Trade qualification/ apprenticeship	126.1	* 3.4	129.5	10.8	140.2	16.2	156.4	7.7	89.6
Certificate or diploma	66.6	6.2	72.8	6.2	78.9	7.6	86.5	7.8	91.3
Other	3.7	* 0.1	3.8	* 0.0	3.8	* 0.7	4.5	* 0.0	84.8
Without post-school qualifications on arrival	151.6	8.1	159.7	24.2	183.9	49.6	233.5	13.2	78.8
Age left school—									
18 and over	45.2	* 2.7	47.9	7.6	55.5	12.8	68.3	13.7	81.2
16 and 17	53.2	* 2.3	55.5	7.0	62.5	9.2	71.7	11.2	87.2
14 and 15	41.2	* 2.0	43.2	6.0	49.2	17.4	66.6	12.1	73.9
Under 14	11.7	* 1.0	12.7	* 3.1	15.8	8.3	24.1	* 19.8	65.7
Never attended school	* 0.3	* 0.1	* 0.4	* 0.5	* 1.0	* 1.9	* 2.9	* 54.2	* 34.0
Total	421.2	21.4	442.6	49.2	491.7	80.2	571.9	10.0	86.0
FEMALES									
With post-school qualifications on arrival	113.1	43.9	157.0	12.9	169.9	71.4	241.3	7.6	70.4
Degree	29.0	8.9	37.9	* 2.6	40.5	15.4	55.9	* 6.5	72.5
Trade qualification/ apprenticeship	8.2	* 2.5	10.8	* 2.4	13.1	7.0	20.1	* 17.9	65.3
Certificate or diploma	73.6	30.3	103.9	7.9	111.8	46.9	158.8	7.1	70.4
Other	* 2.2	* 2.2	4.4	* 0.0	4.4	* 2.2	6.5	* 0.0	66.9
Without post-school qualifications on arrival	101.2	47.6	148.8	18.6	167.5	178.2	345.7	11.1	48.4
Age left school—									
18 and over	26.2	9.5	35.7	4.5	40.1	30.5	70.6	11.2	56.8
16 and 17	37.8	21.6	59.4	7.6	67.0	50.5	117.5	11.3	57.0
14 and 15	29.0	13.7	42.8	5.2	48.0	55.4	103.3	10.8	46.4
Under 14	7.2	* 2.5	9.7	* 0.9	10.6	34.0	44.6	* 8.4	23.7
Never attended school	* 1.0	* 0.3	* 1.3	* 0.5	* 1.8	7.9	9.7	* 28.3	* 18.8
Total	214.3	91.5	305.8	31.6	337.3	249.6	587.0	9.4	57.5
PERSONS									
With post-school qualifications on arrival	382.7	57.1	439.8	37.9	477.7	102.0	579.7	7.9	82.4
Degree	102.3	12.4	114.7	10.7	125.3	21.5	146.8	8.5	85.3
Trade qualification/ apprenticeship	134.3	5.9	140.2	13.1	153.4	23.2	176.5	8.6	86.9
Certificate or diploma	140.2	36.5	176.7	14.1	190.8	54.5	245.3	7.4	77.8
Other	5.9	* 2.3	8.2	* 0.0	8.2	* 2.8	11.0	* 0.0	74.2
Without post-school qualifications on arrival	252.8	55.8	308.5	42.9	351.4	227.8	579.2	12.2	60.7
Age left school—									
18 and over	71.3	12.2	83.5	12.1	95.6	43.3	139.0	12.7	68.8
16 and 17	90.9	24.0	114.9	14.5	129.4	59.7	189.1	11.2	68.4
14 and 15	70.3	15.7	86.0	11.1	97.2	72.7	169.9	11.5	57.2
Under 14	18.9	3.5	22.4	4.0	26.4	42.3	68.7	15.3	38.4
Never attended school	* 1.4	* 0.4	* 1.7	* 1.0	* 2.8	9.8	12.5	* 37.4	* 22.2
Total	635.5	112.9	748.3	80.7	829.1	329.8	1,158.9	9.7	71.5

TABLE 9. MIGRANTS WHO ARRIVED IN AUSTRALIA AFTER 1970 AGED 18 AND OVER: LABOUR FORCE STATUS AND COUNTRY OF LAST RESIDENCE ('000)

Labour force status	Africa	America	Asia	Europe		Total	Oceania			Total
				United Kingdom and Ireland	Other countries in Europe		New Zealand	Other countries in Oceania	Total	
MALES										
				— '000 —						
Labour force	24.9	30.4	148.2	116.7	78.2	194.9	82.4	11.0	93.3	491.7
Employed	23.1	27.7	128.0	109.8	66.2	176.0	77.8	9.9	87.7	442.6
Full-time	22.1	25.9	119.3	106.0	63.5	169.5	74.7	9.6	84.4	421.2
Part-time	* 1.0	* 1.8	8.6	3.8	* 2.7	6.5	* 3.1	* 0.3	* 3.4	21.4
Unemployed	* 1.8	* 2.6	20.3	6.9	12.0	18.8	4.5	* 1.1	5.6	49.2
Not in the labour force	3.5	3.5	34.8	18.9	11.7	30.6	6.7	* 1.0	7.8	80.2
Total	28.4	33.8	183.1	135.5	89.9	225.5	89.1	12.0	101.1	571.9
				— per cent —						
Unemployment rate	* 7.3	* 8.6	13.7	5.9	15.3	9.7	5.5	* 9.7	6.0	10.0
Participation rate	87.7	89.8	81.0	86.1	86.9	86.4	92.4	91.4	92.3	86.0
FEMALES										
				— '000 —						
Labour force	16.5	22.7	102.9	81.8	48.3	130.1	55.7	9.4	65.2	337.3
Employed	15.0	21.0	91.1	76.9	42.2	119.1	50.8	8.7	59.5	305.8
Full-time	10.5	14.6	71.2	47.1	27.5	74.6	36.2	7.2	43.4	214.3
Part-time	4.6	6.3	20.0	29.8	14.7	44.5	14.6	* 1.5	16.1	91.5
Unemployed	* 1.5	* 1.7	11.7	4.9	6.1	11.0	5.0	* 0.7	5.7	31.6
Not in the labour force	12.8	15.3	101.3	49.6	41.4	91.0	24.2	5.1	29.3	249.6
Total	29.3	38.0	204.1	131.4	89.7	221.1	80.0	14.5	94.5	587.0
				— per cent —						
Unemployment rate	* 8.9	* 7.6	11.4	6.0	12.6	8.4	8.9	* 7.5	8.7	9.4
Participation rate	56.4	59.7	50.4	62.2	53.8	58.8	69.7	64.9	69.0	57.5
PERSONS										
				— '000 —						
Labour force	41.4	53.1	251.1	198.5	126.5	325.0	138.1	20.4	158.5	829.1
Employed	38.1	48.7	219.1	186.7	108.4	295.1	128.6	18.6	147.2	748.3
Full-time	32.5	40.6	190.5	153.1	91.0	244.1	111.0	16.8	127.7	635.5
Part-time	5.6	8.1	28.6	33.6	17.4	51.1	17.7	* 1.8	19.5	112.9
Unemployed	* 3.3	4.3	32.0	11.8	18.0	29.8	9.5	* 1.8	11.2	80.7
Not in the labour force	16.3	18.8	136.1	68.5	53.1	121.6	31.0	6.1	37.1	329.8
Total	57.7	71.8	387.2	267.0	179.6	446.6	169.1	26.5	195.6	1,158.9
				— per cent —						
Unemployment rate	* 8.0	8.2	12.8	5.9	14.3	9.2	6.9	* 8.7	7.1	9.7
Participation rate	71.8	73.9	64.9	74.4	70.4	72.8	81.7	76.9	81.0	71.5

TABLE 10. POPULATION SUMMARY: ALL POPULATIONS BY STATES AND TERRITORIES OF USUAL RESIDENCE  
(<sup>'000</sup>)

	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld.</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Aust.</i>
<i>Population 1:</i> All persons aged 15 and over (excluding institutionalised persons and boarding school pupils)	4,477.1	3,385.0	2,212.3	1,120.3	1,238.4	349.1	110.8	211.2	13,104.3
<i>Population 2:</i> Migrants who arrived in Australia after 1970 aged 18 and over (excluding institutionalised persons and boarding school pupils)	446.1	298.5	151.0	64.5	160.8	10.2	10.2	17.7	1,158.9

## EXPLANATORY NOTES

### Introduction

The monthly population survey (which is described in *The Labour Force, Australia* (6203.0)) comprises the monthly labour force survey and supplementary topics. This publication contains some results of a supplementary survey run in association with the September 1990 labour force survey conducted throughout Australia.

2. Of the respondents to the labour force survey, those who fell within the scope of the supplementary survey were asked additional questions. They were details of country of last residence, members of their family who travelled to Australia with them, family already in Australia, whether they had a job just before migrating, occupation at September 1990, their highest educational qualification before and after migrating to Australia, main source of income at September 1990 and their sponsorship classification.

### Scope

3. The scope of this supplementary survey was the same as that used for the labour force survey (described in full in *The Labour Force, Australia* (6203.0)) except that it was restricted to persons who were not born in Australia and who arrived in Australia after 1970 aged 18 or more and were allowed to stay permanently.

### Coverage

4. In the population survey, coverage rules are applied which aim to ensure that each person is associated with only one dwelling, and hence has only one chance of selection. See *The Labour Force, Australia* (6203.0) for more details.

### Definitions

5. Further definitions of labour force and demographic classifications appearing in this publication are given in *The Labour Force, Australia* (6203.0).

6. Unless otherwise stated, all characteristics referenced in this publication relate to the week before the interview (i.e. the reference week).

### Results of the survey

7. Due to differences in the method of estimation used in this supplementary survey and that used in the labour force survey, there are some small variations between estimates in this publication and those in the corresponding issue of *The Labour Force, Australia* (6203.0).

8. Results of similar surveys, the first conducted in March 1984, *Characteristics of Migrants Aged 18 Years and Over at Time of Arrival and Who Arrived After 1960, Australia, March 1984* (6250.0), and March 1987, *Labour Force Status and Other Characteristics of Migrants, Australia, March 1987* (6250.0) have been given in previous issues of this publication. It is proposed that this survey will be conducted next in September 1993.

### Comparability of series

9. It is impracticable to obtain information relating to a long period of time which is strictly comparable with that obtained in the monthly labour force survey for which the reference period is one week. The definitions used in determining the labour force status of persons in the monthly survey depend on a detailed set of questions asked about a person's labour force activity during the reference period. For the survey of labour force status and other characteristics of migrants a person is assigned to a labour force category before migration on the basis of a more limited set of questions. It is for this reason that 'Had a job' and 'Did not have a job' are used to describe pre-migration labour force status and the more rigidly defined employed and unemployed (as used in the monthly labour force survey) are used to describe labour force status at September 1990.

### Discontinuities in series

10. All surveys prior to September 1990 were run in March. The estimates for this survey are not strictly comparable with those obtained from previous surveys. The scope of the surveys run prior to September 1990 included persons who arrived in Australia after 1960. In September 1990 the survey was restricted to persons who arrived in Australia after 1970. Historical estimates contained in this publication have been revised to enable comparisons of estimates from this survey with those from surveys conducted prior to September 1990.

### Estimation procedure

11. The estimates are derived from the population survey by use of a ratio estimation procedure, which ensures that the estimates conform to an independently estimated distribution of the population for each capital city and remainder of State by age, gender and labour force status, rather than to the corresponding distribution within the sample itself.



### Reliability of the estimates

12. Estimates in this publication are subject to sampling and non-sampling errors. For further information refer to the Technical Note, page 17.

### Related publications

13. Other ABS publications which may be of interest include:

*The Labour Force, Australia* (6203.0)—issued monthly

*Labour Force Experience, Australia* (6206.0)—issued annually

*Labour Mobility, Australia* (6209.0)—issued annually

*Persons who have Left the Labour Force, Australia, April 1988* (6267.0)—issued irregularly

*Job Search Experience of Unemployed Persons, Australia July 1988* (6222.0)—issued two-yearly

*Transition from Education to Work, Australia* (6227.0)—issued annually

*Successful and Unsuccessful Job Search Experience, Australia, June 1986* (6245.0)—issued irregularly

14. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

### Symbols and other usages

- \* subject to sampling variability too high for most practical uses. See the Technical Note, page 17
- . . not applicable
- r revised

15. Because estimates have been rounded, discrepancies may occur between sums of the component items and totals.

### Electronic services

DISCOVERY. Key \*656# for selected current economic, social and demographic statistics.

AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service.

For further information phone the AUSSTATS Help Desk on (06) 252 6017.

TELESTATS. This service provides:

- foreign trade statistics tailored to users' requirements. Further information is available on (06) 252 5404.
- text and tables for selected Main Economic Indicator publications. Further information is available on (06) 252 5405.

### Floppy disk service

Selected ABS statistics are available on floppy disk. Further information is available on (06) 252 6684.

## TECHNICAL NOTE

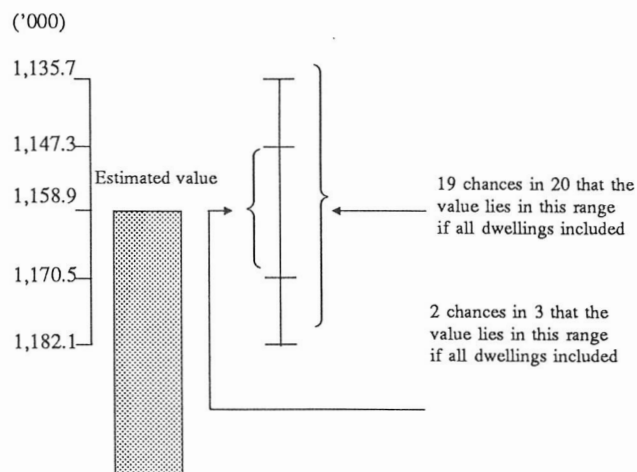
### Reliability of the estimates

Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability, that is, they may differ from those that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the number that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of the likely difference is the *relative standard error*, which is obtained by expressing the standard error as a percentage of the estimate.

2. Space does not allow for the separate indication of the standard errors of all estimates in this publication. A table of standard errors for general application is given on the following page. Since they are averages based on calculations for a limited number of past surveys over a wide range of labour force characteristics these numbers will not give a precise measure of the standard error of a particular estimate but they will provide an indication of its magnitude.

3. An example of the calculation and the use of standard errors in relation to estimates of persons is as follows. Table 3 shows the estimated number of persons who arrived in Australia after 1970 aged 18 and over as 1,158,900. Since this estimate is between 1,000,000 and 2,000,000 the standard error for Australia will be between 11,100 and 14,300 in the standard error table and can be approximated as 11,600 (rounded to the nearest 100). Therefore, there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall in the range 1,147,300 to 1,170,500 and about nineteen chances in twenty that the value will fall within the range 1,135,700 to 1,182,100. This example is illustrated in the following diagram.

4. As can be seen from the standard error table, *the smaller the estimate the higher is the relative standard error*. Very small estimates are thus subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication, only estimates with relative standard errors of 25 per cent or less and percentages based on such estimates are considered sufficiently reliable for most purposes. However, estimates and percentages with larger relative standard errors have been included and are preceded by an asterisk (e.g. \*3.4) to indicate they are subject to high standard errors and should be used with caution.



5. Proportions and percentages formed from the ratio of two estimates are also subject to sampling errors. The size of the error depends on the accuracy of both the numerator and the denominator. A formula to approximate the relative standard error (RSE) of a proportion is:

$$RSE (x/y) = \sqrt{[RSE (x)]^2 + [RSE (y)]^2}$$

6. Considering the example from paragraph 3 above, of the 1,158,900 persons who arrived in Australia after 1970 aged 18 and over, there were approximately 659,400 persons or 56.9 per cent whose country of last residence was other than main English speaking. The standard error of 659,400 is approximately 9,300 so the relative standard error is 1.4 per cent. The relative standard error for 1,158,900 is 1.0 per cent. Applying the above formula, the relative standard error of the proportion is  $\sqrt{(1.4)^2 + (1.0)^2}$  or 1.0 per cent, giving a standard error for the proportion (56.9 per cent) of 0.6 percentage points. Therefore, there are about two chances in three that the proportion of persons who's last country of residence was other than main English speaking is between 56.3 per cent and 57.5 per cent and nineteen chances in twenty the proportion was within the range 55.7 per cent to 58.1 per cent.

7. Published estimates may also be used to calculate the difference between two survey estimates (of numbers or percentages). Such an estimate is subject to sampling error. The sampling error of the difference between two estimates depends on their standard errors and the relationship (correlation) between them. An approximate standard error (SE) of the difference between two estimates (x-y) may be calculated by the following formula:

$$SE (x-y) = \sqrt{[SE (x)]^2 + [SE (y)]^2}$$

While this formula will only be exact for differences between separate and uncorrelated characteristics or subpopulations it is expected to provide a good

approximation for all differences likely to be of interest in this publication.

8. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents and errors

made in coding and processing data. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

### STANDARD ERRORS OF ESTIMATES

[illegible]

## GLOSSARY

*Applicant status:* principal applicants, partners of principal applicants or other applicants (dependents of principal applicants) status as registered on the migration application form.

*Birthplace:*

- (a) *Africa* includes: Egypt, Kenya, Mauritius, South Africa, Uganda, Zimbabwe;
- (b) *America* includes: Argentina, Canada, Chile, Mexico, United States of America, Uruguay;
- (c) *Asia* includes: China, Cyprus, Hong Kong, India, Indonesia, Iran, Israel, Japan, Jordan, Kampuchea, Korea, Kuwait, Lebanon, Malaysia, Philippines, Saudi Arabia, Singapore, Sri Lanka, Syria, Taiwan, Thailand, Turkey, Viet Nam;
- (d) *Europe* includes: Czechoslovakia, France, Germany, Greece, Italy, Malta, Netherlands, Poland, Portugal, Spain, Sweden, United Kingdom and Ireland, USSR, Yugoslavia;
- (e) *Oceania* includes: Fiji, New Caledonia, New Zealand, Papua New Guinea.

*Certificate or diploma:* completion of an approved certificate or diploma in secretarial or business studies, administration, teaching, nursing, etc.

*Country of last residence:* the country in which the person last lived; see *Birthplace* for country classification.

*Degree:* a bachelor degree (including honours), a graduate or post-graduate diploma, masters degree or a doctorate.

*Educational attainment:* measures the highest qualification obtained by the respondent. Qualifications may include those obtained at other than educational institutions (e.g. nursing qualifications obtained at a hospital).

*Employed:* persons aged 15 and over who, during the reference week:

- (a) worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (comprising employees, employers and self-employed persons); or
- (b) worked for one hour or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- (c) were employees who had a job but were: on paid leave; on leave without pay for less than four weeks up to the end of the reference week; stood down without pay because of bad weather or plant

breakdown at their place of employment for less than four weeks up to the end of the reference week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or

- (d) were employers, self-employed persons or unpaid family helpers who had a job, business or farm, but were not at work.

*Family:* two or more related persons usually resident in the same household at the time of the survey. A family comprises a married couple or a family head together with any persons having any of the following relationship to them:

- (a) sons or daughters of any age, if not married and with no children of their own at present; or
- (b) other relatives if not accompanied by a spouse, sons or daughters, or parents of their own; or
- (c) any children under 15 years of age who do not have a parent present.

*Migrant:* is a person who was not born in Australia and who was a permanent resident of Australia at the time of the survey.

*Occupation:* Unless otherwise specified, all occurrences of occupation in this publication refer to Major Group as defined by the *Australian Standard Classification of Occupation (ASCO) 1986*.

*Other post-school qualifications:* completion of other types of education, e.g. adult education, preparatory/bridging course or hobby course.

*Persons with a post-school qualification:* those who had left school and answered 'YES' to the question: 'Since leaving school have you obtained a trade qualification, certificate, diploma, degree or any other qualification?'. Respondents indicated which one of the following groups best described their highest qualification: Degree; Trade qualification or apprenticeship; Certificate or diploma; Other post-school qualification.

*Principal applicant:* person who signs the migration form, and is considered by the applicants and the Immigration Department to have the best chance of being accepted to migrate.

*Sponsored:* Migrants who were sponsored include those who had family already in Australia who sponsored them under the Family Reunion criteria, and those who were sponsored by an employer, or some other person or organisation (other than the Australian Government).

*Trade qualification or apprenticeship:* completion of an approved trade/technical apprenticeship in fitting and turning, hairdressing, plumbing, carpentry, etc.

*Unemployed:* Persons aged 15 and over who were not employed during the reference week, and:

- (a) had actively looked for full-time or part-time work at any time in the four weeks up to the end of reference week and:
- (i) were available for work in the reference week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the reference week); or

- (ii) were waiting to start a new job within four weeks from the end of the reference week and would have started in the reference week if the job had been available then; or

- (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the reference week (including the whole of the reference week) for reasons other than bad weather or plant breakdown.

*Un-sponsored:* Migrants who were un-sponsored include those who came to Australia under special eligibility criteria - including those who didn't need a visa (eg from New Zealand and/or they had New Zealand citizenship) and those who had some entitlement to come to Australia (includes refugees).

## SPECIAL DATA SERVICES

## DATA ITEMS AND HOW TO ORDER SPECIAL TABLES FROM THIS SURVEY

The ABS offers a range of unpublished data from this survey upon request. When ordering special tables from this survey, please ensure you identify the **population(s)** and the **data item(s)** which you require.

This section specifies the data items, categories and populations which relate to the survey and includes an order form for special tables.

The population(s) for a particular data item refers to the persons in the survey to whom the data item relates.

## POPULATIONS

POPULATION 1: Persons aged 15 and over

POPULATION 2: Migrants who arrived in Australia after 1970 aged 18 and over

DATA ITEM	POPULATIONS	DATA ITEM	POPULATIONS
1 STATE	ALL	6 FAMILY STATUS	ALL
New South Wales		Member of a family	
Victoria		Husband or wife	
Queensland		With dependents present	
South Australia		Without dependents present	
Western Australia		Sole parent	
Tasmania		Other family head	
Northern Territory		Full-time student aged 15-24(a)	
Australian Capital Territory		Other child(b) of married couple or family head	
Australia		Other relative of married couple or family head	
2 AREA	ALL	Not a member of a family	
Metropolitan		Living alone	
Non-metropolitan		Not living alone	
3 DISSEMINATION REGION	ALL	Family status not determined	
Standard labour force		(a) Excludes persons aged 20-24 attending school	
dissemination regions		(b) Aged 15 and over	
4 GENDER	ALL	7A BIRTHPLACE	2
Males		Africa	
Females		America	
5 MARITAL STATUS	ALL	Asia	
Married		Lebanon	
Not-married		Viet Nam	
		Other Asia	
		Europe	
		Germany	
		Greece	
		Italy	
		Malta	
		Netherlands	
		Poland	
		United Kingdom and Ireland	
		Yugoslavia	
		Other Europe	
		Oceania	
		New Zealand	
		Other Oceania	

DATA ITEM	POPULATIONS
7E YEAR OF ARRIVAL (single years collected) Arrived 1971 - 1980 Arrived 1981 - 1990	2
8 AGE 18-24 years 25-34 years 35-44 years 45-54 years 55-59 years 60-64 years 65 years and over	ALL
9 MIGRANT SUMMARY VARIABLE Born in Australia Born outside Australia Aged 15-17 at September 1990 Aged less than 18 on arrival Arrived in or before 1970 Arrived after 1970 Temporary resident Permanent resident	1
10 WHETHER HAD A JOB JUST BEFORE MIGRATION Had a job just before migration Did not have a job just before migration	2
11 WHETHER WORKED FULL-TIME JUST BEFORE MIGRATION Had a job just before migration Worked full-time Did not work full-time Did not have a job just before migration	2
12 OCCUPATION JUST BEFORE MIGRATION Had a job just before migration Managers and administrators Professionals Para-professionals Tradespersons Clerks Salespersons and personal service workers Plant and machine operators, and drivers Labourers and related workers Did not have a job just before migration	2
13 WHETHER HAD FAMILY IN AUSTRALIA JUST BEFORE MIGRATION Had family in Australia before migration Children only Husband/wife/partner only Children and husband/wife/partner only Children and other family only Husband/wife/partner and other family only Children, husband/wife/partner and other family only Brothers/sisters(in-law) only Parents(in-law) only Other family only Did not have family in Australia before migration	2
14 ALL FAMILY IN AUSTRALIA JUST BEFORE MIGRATION None Children only Husband/wife/partner Brothers/sisters(in-law) Parents(in-law) Fiance/fiancee Uncle/aunt Other family member	2

DATA ITEM	POPULATIONS
15 MIGRATION CATEGORY New Zealand(a) Principal applicant Refugee Other Sponsored By family By employer By other organisation Did not know Un-sponsored Partner of principal applicant Principal applicant's migration status- Refugee Other Sponsored By family By employer By other organisation Did not know Un-sponsored Arrived with spouse/partner who was principal applicant Other No application form completed Don't know  (a) Includes persons born in New Zealand and whose place of last residence was New Zealand.	2
16 FAMILY WHO ARRIVED WITH MIGRANT Had family arriving with migrant Children only Husband/wife/partner only Children and husband/wife/partner only Children and other family only Husband/wife/partner and other family only Children, husband/wife/partner and other family only Other family only Did not have family arriving with migrant	2
17 ALL FAMILY WHO ARRIVED WITH MIGRANT None Children Husband/wife/partner Brothers/sisters(in-law) Parents(in-law) Fiance/fiancee Uncle/aunt Other	2
18 AGE ON ARRIVAL 18-24 years 25-34 years 35-44 years 45-54 years 55-59 years 60-64 years 65 years and over	2



DATA ITEM	POPULATIONS
19 COUNTRY OF LAST RESIDENCE (1)	2
Africa	
America	
Asia	
Lebanon	
Viet Nam	
Other Asia	
Europe	
Germany	
Greece	
Italy	
Malta	
Netherlands	
Poland	
United Kingdom and Ireland	
Yugoslavia	
Other Europe	
Oceania	
New Zealand	
Other Oceania	
19B COUNTRY OF LAST RESIDENCE (2)	2
Main English speaking countries	
Other countries	
20 RELATIONSHIP OF COUNTRY OF LAST RESIDENCE TO COUNTRY OF BIRTH	2
Country of last residence different to country of birth	
Country of last residence same as country of birth	
21 EDUCATIONAL ATTAINMENT ON ARRIVAL	2
With post-school qualifications on arrival	
Degree	
Trade qualifications/apprenticeship	
Certificate or diploma	
Other	
Without post-school qualifications on arrival	
Age left school	
18 and over	
16 and 17	
14 and 15	
under 14	
Never attended school	
22 HIGHEST QUALIFICATION GAINED SINCE ARRIVAL	2
Had gained post-school qualifications since arrival	
Degree	
Trade qualifications/apprenticeship	
Certificate or diploma	
Other	
Had not gained post-school qualifications since arrival	
23 LABOUR FORCE STATUS AND FULL-TIME OR PART-TIME STATUS AT SEPTEMBER 1990	ALL
In the labour force	
Employed	
Full-time	
Part-time	
Unemployed	
Looking for full-time work	
Looking for part-time work	
Not in the labour force	

DATA ITEM	POPULATIONS
24 LABOUR FORCE STATUS AND STATUS OF WORKER AT SEPTEMBER 1990	ALL
In the labour force	
Employed	
Employers	
Self-employed	
Wage and salary earners	
Unpaid family helpers	
Unemployed	
Not in the labour force	
25 OCCUPATION AT SEPTEMBER 1990	ALL
Employed	
Managers and administrators	
Professionals	
Para-professionals	
Tradespersons	
Clerks	
Salespersons and personal service workers	
Plant and machine operators, and drivers	
Labourers and related workers	
Unemployed	
Not in the labour force	
26 MAIN SOURCE OF INCOME RECEIVED AT SEPTEMBER 1990	2
Wage or salary	
Government pension or cash benefit	
Own business or share in partnership	
Superannuation	
Investment/interest	
Other(a)	
(a) Includes nil income.	
27 MAIN SOURCE OF INCOME AND GOVERNMENT PENSIONS/BENEFITS RECEIVED AT SEPTEMBER 1990	2
Wages or salary	
Government pension or cash benefit	
Family allowance	
Age pension	
Unemployment benefit/job search allowance	
Service pension	
Invalid pension	
Repatriation/disability pension	
Sole parent's pension	
Sickness benefit	
Widow's pension	
AUSTUDY	
Wife's/carer's pension	
War widow's pension	
Special benefit	
Other	
Own business or share in partnership	
Superannuation	
Investment/interest	
Other	
Nil income	
28 WHETHER OCCUPATION BEFORE MIGRATION WAS THE SAME AS OCCUPATION AT SEPTEMBER 1990	2
Had a job just before migration	
Employed at September 1990	
Same occupation major group	
Changed occupation major group	
Unemployed at September 1990	
Not in the labour force at September 1990	
Did not have a job just before migration	



## SPECIAL DATA REQUEST ORDER FORM

### LABOUR FORCE STATUS AND OTHER CHARACTERISTICS OF MIGRANTS, SEPTEMBER 1990

Please specify your special data request(s) on the order form provided on the following page.

The following points should be noted when requesting special tables:

1. Table requests will be available on computer printout, floppy disk or microfiche.
2. The current cost of special tables is as follows —

No. of data items (excluding populations)	Cost per table (\$)
2	120
3	150
4	210
5	300
6 or more	negotiable

**NOTE** (i) For tables provided on floppy disk, an additional cost of \$65.00 per disk will be charged;

(ii) For tables provided on microfiche, an additional cost of \$50.00 plus \$5.00 per microfiche will be charged;

(iii) Prices quoted are subject to revisions.

3. Return the completed order form together with the **address advice** to —

Assistant Director  
Labour Force Supplementary Surveys  
Australian Bureau of Statistics  
PO Box 10  
Belconnen ACT 2616

OR

Facsimile No. (06) 252 6530

4. The invoiced cost is payable in full within 28 days of supply.
5. Any inquiries about this order should be directed to Ms. Mirella Wilson on (06) 252 6661.



**ADDRESS ADVICE** — DETACH AND FORWARD TOGETHER WITH YOUR COMPLETED ORDER FORM.

Please send my order and invoice to —

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ORGANISATION \_\_\_\_\_

ADDRESS \_\_\_\_\_

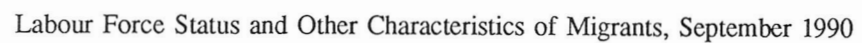
POSTCODE \_\_\_\_\_

TELEPHONE \_\_\_\_\_

Signature \_\_\_\_\_

Date / /





## SPECIAL DATA REQUESTS

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